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1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/070,222A

DATE: 02/20/2003 P6

TIME: 15:40:44

Input Set : A:\Sequence Listing (ASCII copy).txt

Output Set: N:\CRF4\02202003\J070222A.raw

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3 <110> APPLICANT: GAIT, Michael J.
4   STETSENKO, Dmitry
6 <120> TITLE OF INVENTION: METHOD FOR COUPLING MOLECULES
8 <130> FILE REFERENCE: 2224/OK248
10 <140> CURRENT APPLICATION NUMBER: US 10/070,222A
11 <141> CURRENT FILING DATE: 2002-02-27
13 <150> PRIOR APPLICATION NUMBER: GB 9920397.8
14 <151> PRIOR FILING DATE: 1999-08-27
16 <150> PRIOR APPLICATION NUMBER: GB 0012083.2
17 <151> PRIOR FILING DATE: 2000-05-18
19 <160> NUMBER OF SEQ ID NOS: 25
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 18
25 <212> TYPE: PRT
26 <213> ORGANISM: Artificial Sequence
28 <220> FEATURE:
29 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters
31 <220> FEATURE:
32 <221> NAME/KEY: MISC_FEATURE
33 <222> LOCATION: (1)..(1)
34 <223> OTHER INFORMATION: where X is BnSCO
37 <220> FEATURE:
38 <221> NAME/KEY: MISC_FEATURE
39 <222> LOCATION: (18)..(18)
40 <223> OTHER INFORMATION: where X is CONH2
43 <400> SEQUENCE: 1
W--> 45 Xaa Arg Gln Ile Pro Lys Ile Trp Phe Pro Asn Arg Arg Lys Pro Phe
46 1           5           10           15
49 Lys Xaa
53 <210> SEQ ID NO: 2
54 <211> LENGTH: 12
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters
61 <220> FEATURE:
62 <221> NAME/KEY: MISC_FEATURE
63 <222> LOCATION: (1)..(1)
64 <223> OTHER INFORMATION: where X is BnSCO
67 <220> FEATURE:
68 <221> NAME/KEY: MISC_FEATURE
69 <222> LOCATION: (12)..(12)

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70 <223> OTHER INFORMATION: where X is CONH2

73 <400> SEQUENCE: 2

W--> 75 Xaa Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Xaa

76 1 5 10

79 <210> SEQ ID NO: 3

80 <211> LENGTH: 16

81 <212> TYPE: PRT

82 <213> ORGANISM: Artificial Sequence

84 <220> FEATURE:

85 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters

87 <220> FEATURE:

88 <221> NAME/KEY: MISC_FEATURE

89 <222> LOCATION: (1)..(1)

90 <223> OTHER INFORMATION: where X is BnSCO

93 <220> FEATURE:

94 <221> NAME/KEY: MISC_FEATURE

95 <222> LOCATION: (16)..(16)

96 <223> OTHER INFORMATION: where X is CONH2

99 <400> SEQUENCE: 3

W--> 101 Xaa Pro Thr Ser Gln Ser Arg Gly Asp Pro Thr Gly Pro Lys Glu Xaa

102 1 5 10 15

105 <210> SEQ ID NO: 4

106 <211> LENGTH: 26

107 <212> TYPE: PRT

108 <213> ORGANISM: Artificial Sequence

110 <220> FEATURE:

111 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters

113 <220> FEATURE:

114 <221> NAME/KEY: MISC_FEATURE

115 <222> LOCATION: (1)..(1)

116 <223> OTHER INFORMATION: where X is BnSCO

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120 <221> NAME/KEY: MISC_FEATURE

121 <222> LOCATION: (26)..(26)

122 <223> OTHER INFORMATION: where X is CONH2

125 <400> SEQUENCE: 4

W--> 127 Xaa Asp Arg Val Ile Glu Val Val Gln Gly Ala Tyr Arg Ala Ile Arg

128 1 5 10 15

131 Asn Ile Pro Arg Arg Ile Arg Gln Gly Xaa

132 20 25

135 <210> SEQ ID NO: 5

136 <211> LENGTH: 11

137 <212> TYPE: PRT

138 <213> ORGANISM: Artificial Sequence

140 <220> FEATURE:

141 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters

143 <220> FEATURE:

144 <221> NAME/KEY: MISC_FEATURE

145 <222> LOCATION: (1)..(1)

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150 <221> NAME/KEY: MISC_FEATURE
151 <222> LOCATION: (11)..(11)
152 <223> OTHER INFORMATION: where X is CONH2
155 <400> SEQUENCE: 5
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      158 1          5          10
161 <210> SEQ ID NO: 6
162 <211> LENGTH: 12
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters
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170 <221> NAME/KEY: MISC_FEATURE
171 <222> LOCATION: (1)..(1)
172 <223> OTHER INFORMATION: where X is BnSCO
175 <220> FEATURE:
176 <221> NAME/KEY: MISC_FEATURE
177 <222> LOCATION: (12)..(12)
178 <223> OTHER INFORMATION: where X is CONH2
181 <400> SEQUENCE: 6
W--> 183 Xaa Ala Leu Pro Pro Leu Glu Arg Leu Thr Leu Xaa
      184 1          5          10
187 <210> SEQ ID NO: 7
188 <211> LENGTH: 29
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
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195 <220> FEATURE:
196 <221> NAME/KEY: MISC_FEATURE
197 <222> LOCATION: (1)..(1)
198 <223> OTHER INFORMATION: where X is BnSCO
201 <220> FEATURE:
202 <221> NAME/KEY: MISC_FEATURE
203 <222> LOCATION: (29)..(29)
204 <223> OTHER INFORMATION: where X is CONH2
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W--> 209 Xaa Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met
      210 1          5          10          15
213 Gly Ala Trp Ser Gln Pro Lys Ser Lys Arg Lys Val Xaa
214          20          25
217 <210> SEQ ID NO: 8
218 <211> LENGTH: 7
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:

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223 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters
225 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
227 <222> LOCATION: (1)..(1)
228 <223> OTHER INFORMATION: where X is BnSCO
231 <220> FEATURE:
232 <221> NAME/KEY: MISC_FEATURE
233 <222> LOCATION: (2)..(2)
234 <223> OTHER INFORMATION: where X is sarcosine
237 <220> FEATURE:
238 <221> NAME/KEY: MISC_FEATURE
239 <222> LOCATION: (7)..(7)
240 <223> OTHER INFORMATION: where X is CONH2
243 <400> SEQUENCE: 8
W--> 245 Xaa Xaa Leu Gly Ile Gly Xaa
      246 1      5
      249 <210> SEQ ID NO: 9
      250 <211> LENGTH: 18
      251 <212> TYPE: PRT
      252 <213> ORGANISM: Artificial Sequence
      254 <220> FEATURE:
      255 <223> OTHER INFORMATION: peptide N-terminal S-benzyl thioesters
      257 <220> FEATURE:
      258 <221> NAME/KEY: MISC_FEATURE
      259 <222> LOCATION: (1)..(1)
      260 <223> OTHER INFORMATION: where X is BnSCO
      263 <220> FEATURE:
      264 <221> NAME/KEY: MISC_FEATURE
      265 <222> LOCATION: (18)..(18)
      266 <223> OTHER INFORMATION: where X is CONH2
      269 <400> SEQUENCE: 9
W--> 271 Xaa Pro Gln Ile Lys Ile Trp Phe Pro Asn Arg Arg Lys Pro Phe Lys
      272 1      5      10      15
      275 Lys Xaa
      279 <210> SEQ ID NO: 10
      280 <211> LENGTH: 6
      281 <212> TYPE: DNA
      282 <213> ORGANISM: Artificial Sequence
      284 <220> FEATURE:
      285 <223> OTHER INFORMATION: 5'-cysteinyl oligonucleotide
      287 <220> FEATURE:
      288 <221> NAME/KEY: misc_feature
      289 <222> LOCATION: (1)..(6)
      290 <223> OTHER INFORMATION: where n is Cys(SBut)
      293 <400> SEQUENCE: 10
W--> 294 nttttt
      297 <210> SEQ ID NO: 11
      298 <211> LENGTH: 6
      299 <212> TYPE: DNA

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300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: 5'-cysteinyI oligonucleotide
305 <220> FEATURE:
306 <221> NAME/KEY: misc_feature
307 <222> LOCATION: (1)..(6)
308 <223> OTHER INFORMATION: where n is Cys(Trt)
311 <400> SEQUENCE: 11
W--> 312 nttttt 6
315 <210> SEQ ID NO: 12
316 <211> LENGTH: 6
317 <212> TYPE: DNA
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: 5'-cysteinyI oligonucleotide
323 <220> FEATURE:
324 <221> NAME/KEY: misc_feature
325 <222> LOCATION: (1)..(6)
326 <223> OTHER INFORMATION: where n is Cys
329 <400> SEQUENCE: 12
W--> 330 nttttt 6
333 <210> SEQ ID NO: 13
334 <211> LENGTH: 16
335 <212> TYPE: DNA
336 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
339 <223> OTHER INFORMATION: 5'-cysteinyI oligonucleotide
341 <220> FEATURE:
342 <221> NAME/KEY: misc_feature
343 <222> LOCATION: (1)..(16)
344 <223> OTHER INFORMATION: where n is Cys(SBut)
347 <400> SEQUENCE: 13
W--> 348 nctcccaggc tcaaat 16
351 <210> SEQ ID NO: 14
352 <211> LENGTH: 16
353 <212> TYPE: DNA
354 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
357 <223> OTHER INFORMATION: 5'-cysteinyI oligonucleotide
359 <220> FEATURE:
360 <221> NAME/KEY: misc_feature
361 <222> LOCATION: (1)..(16)
362 <223> OTHER INFORMATION: where n is Cys(SBut)
365 <400> SEQUENCE: 14
W--> 366 ngctcccacg ctcaaa 16
369 <210> SEQ ID NO: 15
370 <211> LENGTH: 16
371 <212> TYPE: DNA
372 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/070,222A

DATE: 02/20/2003
TIME: 15:40:45

Input Set : A:\Sequence Listing (ASCII copy).txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,18
Seq#:2; Xaa Pos. 1,12
Seq#:3; Xaa Pos. 1,16
Seq#:4; Xaa Pos. 1,26
Seq#:5; Xaa Pos. 1,11
Seq#:6; Xaa Pos. 1,12
Seq#:7; Xaa Pos. 1,29
Seq#:8; Xaa Pos. 1,2,7
Seq#:9; Xaa Pos. 1,18
Seq#:10; N Pos. 1
Seq#:11; N Pos. 1
Seq#:12; N Pos. 1
Seq#:13; N Pos. 1
Seq#:14; N Pos. 1
Seq#:15; N Pos. 1
Seq#:16; N Pos. 1
Seq#:17; N Pos. 1
Seq#:18; N Pos. 1
Seq#:19; N Pos. 1
Seq#:23; Xaa Pos. 1

VERIFICATION SUMMARY

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TIME: 15:40:45

Input Set : A:\Sequence Listing (ASCII copy).txt

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L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
M:341 Repeated in SeqNo=1
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:101 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
M:341 Repeated in SeqNo=4
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
M:341 Repeated in SeqNo=7
L:245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:420 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:438 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0